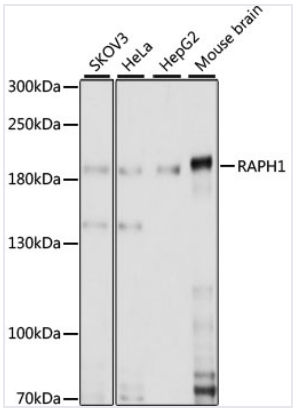
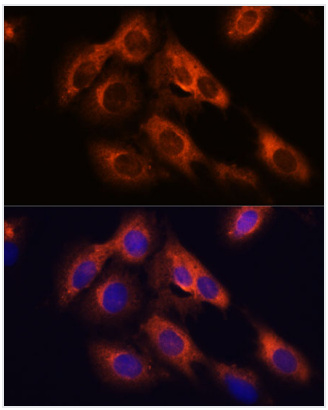
RAPH1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

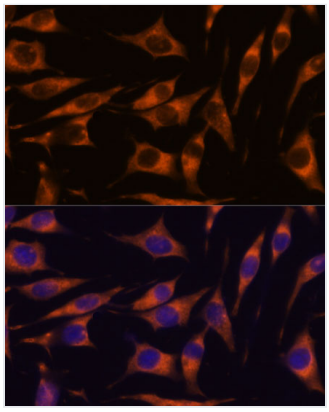
Product Name	RAPH1, Polyclonal Antibody
Full Product Name	RAPH1 Rabbit Polyclonal Antibody
Product Gene Name	anti-RAPH1 antibody
Product Synonym Names	RAPH1; ALS2CR18; ALS2CR9; LPD; PREL-2; PREL2; RMO1; RalGDS/AF-6
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	72,874 Da
OMIM	609035
3D Structure	ModBase 3D Structure for Q70E73
Immunogen	Recombinant fusion protein of human RAPH1 (NP_998754.1).
Product Categories/Family for anti-RAPH1 antibody	Primary Antibody
Applications Tested/Suitable for anti-RAPH1 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-RAPH1 antibody	WB: 1:200-1:2000 IF: 1:50-1:200
Related Product Information for anti-RAPH1 antibody	This gene encodes a protein that belongs to the Mig10/Rap1-interacting adaptor molecule/Lamellipodin family of adapter proteins, which function in cell migration. Members of this family contain pleckstrin-homology domains, Ras-association domains, and proline-rich C-termini. The protein encoded by this gene regulates actin dynamics through interaction with Ena/Vasodilator proteins as well as direct binding to filamentous actin to regulate actin network assembly. Alternative splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-RAPH1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RAPH1 purchase	MBS9465265 is an antibody targeting RAPH1. Also known as RAPH1 Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-RAPH1 antibody
Western blot analysis of extracts of various cell lines, using RAPH1 at 1:1000 dilution.



Immunofluorescence (IF) of anti-RAPH1 antibody
Immunofluorescence analysis of C6 cells using RAPH1 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence (IF) of anti-RAPH1 antibody
Immunofluorescence analysis of L929 cells using RAPH1 at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAPH1. It may not necessarily be applicable to this product.

NCBI GI #	42740893
NCBI GeneID	65059
NCBI Accession #	NP_976241.1
UniProt Primary Accession #	Q70E73
UniProt Secondary Accession #	Q96Q37; Q9C0I2
UniProt Related Accession #	Q70E73
GenBank Nucleotide #	NM_203365.3
NCBI Official Full Name	ras-associated and pleckstrin homology domains-containing protein 1 isoform 3
NCBI Official Synonym Full Names	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1
NCBI Official Symbol	RAPH1
NCBI Official Synonym Symbols	LPD; RMO1; PREL2; PREL-2; ALS2CR9; ALS2CR18; RalGDS/AF-6
UniProt Protein Name	Ras-associated and pleckstrin homology domains-containing protein 1
UniProt Synonym Protein Names	Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 18 protein; Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 9 protein; Lamellipodin; Proline-rich EVH1 ligand 2; PREL-2; Protein RMO1

Protein Family	Ras-associated and pleckstrin homology domains-containing protein
UniProt Gene Name	RAPH1
UniProt Synonym Gene Names	ALS2CR18; ALS2CR9; KIAA1681; LPD; PREL2; RMO1; RAPH1; PREL-2
UniProt Entry Name	RAPH1_HUMAN
NCBI Protein Information	ras-associated and pleckstrin homology domains-containing protein 1; lamellipodin; proline-rich EVH1 ligand 2; amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 9; amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candida
UniProt Comments for RAPH1	RAPH1: Mediator of localized membrane signals. Implicated in the regulation of lamellipodial dynamics. Negatively regulates cell adhesion. Belongs to the MRL family. 9 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Adaptor/scaffold Chromosomal Location of Human Ortholog: 2q33 Cellular Component: cytoskeleton; lamellipodium; cytoplasm; plasma membrane; filopodium Molecular Function: protein binding Biological Process: axon extension; cell-matrix adhesion; signal transduction
Research Articles on RAPH1	**1.** The results suggest that although the RAPH1 gene was deleted or amplified in all samples, the Lpd does not seem to play a major role in tumorigenesis of mammary carcinomas.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/raph1/9465265